

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 December 2007 (27.12.2007)

PCT

(10) International Publication Number
WO 2007/148838 A1

(51) International Patent Classification:

H01Q 1/24 (2006.01)

(21) International Application Number:

PCT/KR2006/002342

(22) International Filing Date: 19 June 2006 (19.06.2006)

(25) Filing Language: Korean

(26) Publication Language: English

(71) Applicant (for all designated States except US): U-GEN-TECH CO., LTD [KR/KR]; 74-1 Sinchun 3-dong, Dong-gu, Daegu 701-825 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BAE, Jang-Hwan [KR/KR]; 102-1001 Kolon Apt., 861 Jakjeon 2-dong, Gyeong-gu, Incheon 407-823 (KR).

(74) Agent: KIM, Won-Joon; Room 703, Science-technology B/d., 635-4, Yeoksam-dong, Gangnam-gu, Seoul 135-703 (KR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

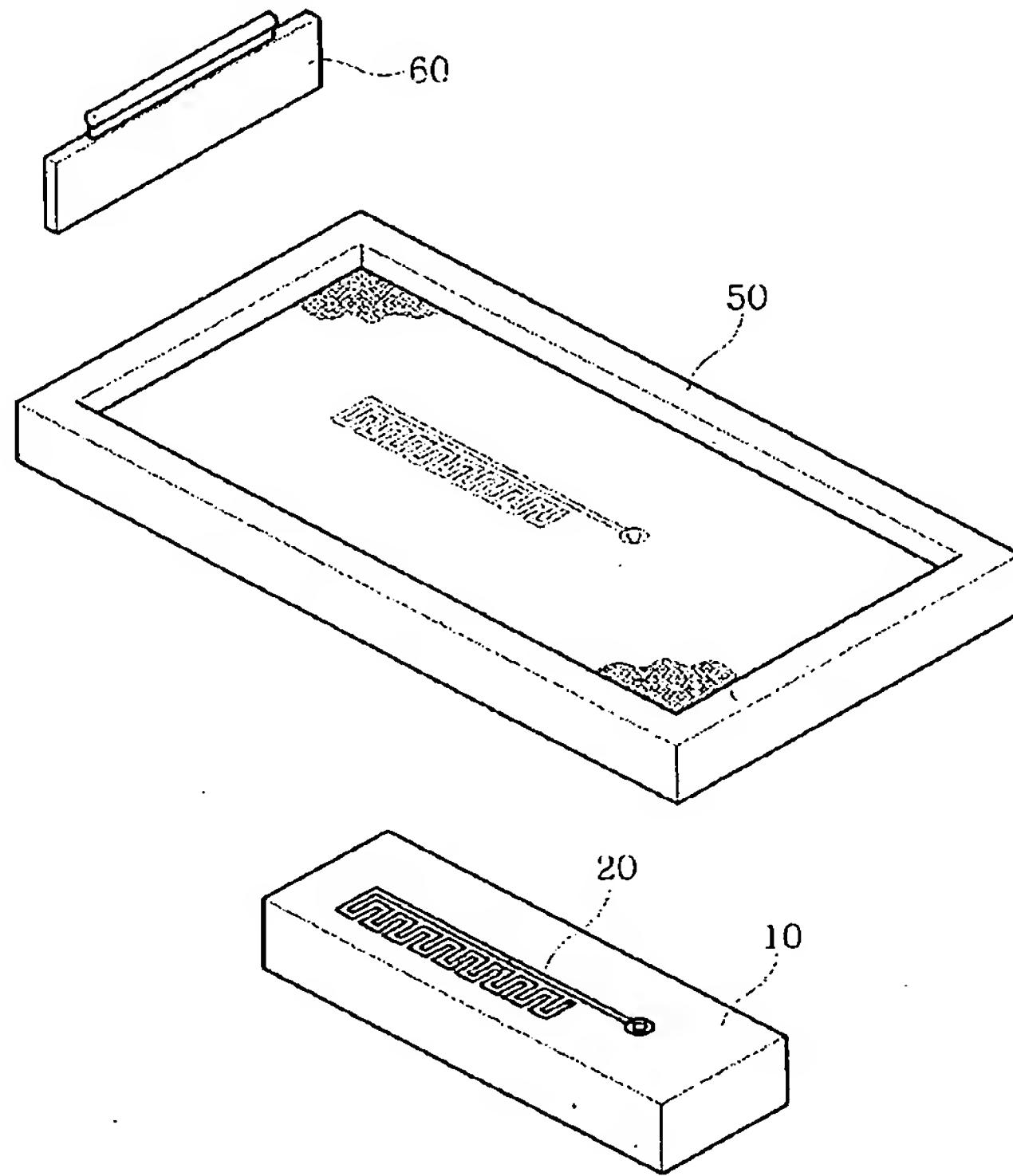
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: INTERNAL ANTENNA FOR MOBILE PHONE AND MANUFACTURING METHOD THEREOF



(57) Abstract: A cellular phone antenna and a manufacturing method of the same are disclosed; in which a high frequency characteristic and a product safety are enhanced using a cellular phone antenna which is manufactured by preventing an antenna device from being transformed. The cellular phone antenna comprises an antenna base which is engaged in an interior of a cellular phone; an antenna which is installed at the antenna base; a connection terminal which is connected with the antenna; and a holder which is attached to the antenna base so that the antenna and the connection terminal are connected.

WO 2007/148838 A1